

DaimlerChrysler AG

Patent claims

5 1. A body shell (1) of a motor vehicle, in particular of a front and/or a rear region of a motor vehicle, having longitudinal members (7, 8) and crossmembers (6) which are connected to one another and are designed as a flexible bearing system,

10 - a standard shell construction (9) of the body shell (1) being provided, and
- differently sized reinforcing members (2) being attachable to the crossmembers (6) in the front and/or rear region of the body shell (1) and
15 stiffening the standard shell construction (9) in order to satisfy different country-specific homologation requirements.

2. The standard shell construction as claimed in
20 claim 1, characterized in that the reinforcing member (2) is formed from plastic.

3. The standard shell construction as claimed in
claim 1, characterized in that the reinforcing member
25 (2) is formed from a metallic material.

4. The standard shell construction as claimed in one of claims 1 to 3, characterized in that the reinforcing member (2) is connected to the crossmember (6) via a
30 bonding connection, in particular via a sheetlike bonding connection.

5. The standard shell construction as claimed in one of claims 1 to 3, characterized in that the reinforcing member (2) is connected to the crossmember (6) via a
35 screw connection.

6. The standard shell construction as claimed in one

of claims 1 to 3, characterized in that the reinforcing member (2) is connected to the crossmember (6) via a welding connection.

5 7. The standard shell construction as claimed in one of claims 1 to 6, characterized in that a foam system of different thickness can be attached to the reinforcing member (2).

10 8. The standard shell construction as claimed in one of claims 1 to 7, characterized in that the reinforcing member (2) is supported by one end (4, 5) in each case on the longitudinal members (8, 7) of the standard shell construction (9).

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9. The standard shell construction as claimed in one of claims 1 to 8, characterized in that the reinforcing member (2) has at least one folding bead (3) for stiffening the reinforcing member (2).